

Recombinant Human KRAS protein, His-tagged

Cat. No. KRAS-19H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRAS protein(Met 1 - Lys 169) (P01116-2), fused to N-terminal His tag, was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Met 1 - Lys 169
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 0.5 M NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	The protein has a calculated MW of 21.3 kDa. The protein migrates as 23-25 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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GENE INFORMATION

Gene Name KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [Homo sapiens]

Official Symbol KRAS

Synonyms KRAS; v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog; KRAS2, v Ki ras2 Kirsten rat sarcoma 2 viral oncogene homolog; GTPase KRas; KRAS1; K-Ras 2; c-Ki-ras; oncogene KRAS2; K-ras p21 protein; c-Kirsten-ras protein; PR310 c-K-ras oncogene; transforming protein p21; cellular c-Ki-ras2 proto-oncogene; v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog; Kirsten rat sarcoma-2 viral (v-Ki-ras2) oncogene homolog; NS; NS3; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B;

Gene ID 3845

mRNA Refseq NM_004985

Protein Refseq NP_004976

MIM 190070

UniProt ID P01116

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